

Amendments to the Claims

Please amend the claims as follows:

1. (Currently Amended) A method for displaying a menu of a TV comprising the steps of:

setting a screen display mode to simultaneously display two or more screens on a TV, at least one screen displaying the menu, including;

automatically sizing displayed elements, including a an interactive menu element, to a size proportionate with the size of said two or more screens;

determining whether or not a menu key is input to display interactive program specific information including broadcasting program information;

determining which screen display mode is the current screen display mode if it is determined that said menu key is input; and

displaying an the interactive menu element including an icon in a the menu display area screen depending on the screen display mode, by automatically resizing said menu element to a new size other than a default size in accordance with the size of the screen on which the menu is displayed, wherein to permit said menu element to be is easily discriminated by a viewer on the display screen due to the new size.

2. (Original) The method for displaying a menu of a TV as claimed in claim 1, wherein the step of displaying the menu element includes the step of displaying the menu on a default screen if the current screen display mode is a mode which displays a plurality of screens.

3. (Original) The method for displaying a menu of a TV as claimed in claim 2, wherein the screen display mode displays two screens.

4. (Original) The method for displaying a menu of a TV as claimed in claim 3, wherein the two screens include a main display area and a sub display area.

5. (Original) The method for displaying a menu of a TV as claimed in claim 3, wherein the screen display mode which displays the two screens is a double window screen display mode.

6. (Original) The method for displaying a menu of a TV as claimed in claim 2, wherein the screen display mode is a multi-window screen display mode.

7. (Original) The method for displaying a menu of a TV as claimed in claim 1, wherein the step of displaying the menu element includes the step of adjusting the size of the menu element in accordance with the size of the menu display screen.

8. (Currently Amended) The method of displaying a menu of a TV as claimed in claim 7, wherein the step of adjusting the size of the menu element includes the steps of obtaining a first ratio between a region on which the menu is to be displayed and a region in which the menu is occupied, and reducing the size of the menu at a predetermined ratio if said first ratio is less than 100% 1 to 1.

9. (Original) The method for displaying a menu of a TV as claimed in claim 7, wherein the step of adjusting the size of the menu element includes the step of expanding or reducing the size of characters included in the menu element.

10. (Original) The method for displaying a menu of a TV as claimed in claim 7, wherein the step of adjusting the size of the menu element includes the step of expanding or reducing the size of icons included in the menu element.

11. (Currently Amended) A method for displaying a menu of a TV comprising the steps of:

setting a screen display mode to simultaneously display a plurality of screens on a TV;

automatically sizing displayed elements, including an interactive menu element, in direct proportion to the sizes of said plurality of screens;

setting one of the plurality of screens as an interactive menu display screen wherein a user may select program specific information from said menu, including broadcasting program information; and

displaying an the interactive menu element showing said program specific information, including broadcasting program information on the menu display screen, by automatically resizing said interactive menu element to a new size other than a default size in accordance with the size of the screen on which the menu is displayed, wherein to permit said menu element is to be easily discriminated by a viewer due to the new size on the display screen.

12. (Original) The method for displaying a menu of a TV as claimed in claim 11, further comprising the step of adjusting the size of the menu in accordance with the size of the menu display screen.

13. (Currently Amended) A method of displaying a menu in a TV screen, comprising the steps of:

displaying a picture and display elements, including an icon, in proportion with a size of a display screen, depending on a screen display mode;

determining whether a menu key is input by a user to display an interactive menu for program specific information including broadcasting program information on a TV screen;

determining which display mode is the current display mode if said menu key is input;

dividing said TV screen into two or more first sub-display screens or into a main-display screen and one or more second sub-display screens according to which mode is determined to be the current display mode;

setting one of said first or second sub-display screens as an interactive menu-display screen;

automatically resizing of one or more interactive icons of said menu to a new size other than a default size in accordance with the size of the screen on which a menu is displayed, so as to be distinguishably recognized recognizable by said user when displayed on said menu-display screen due to the new size; and

displaying the resized icons on said menu-display screen.

14. (Previously Presented) The method of claim 13, wherein said current display mode is any one of a double-window mode, a multi-window mode, and a Picture-In-Picture (PIP) mode.

15. (Previously Presented) The method of claim 13, wherein the automatically resizing step includes the steps of obtaining a first ratio between a region on which the menu is to be displayed and a region in which the menu is occupied, and reducing the size of the menu at a predetermined ratio if said first ratio is less than 100%.

16. (Previously Presented) The method of claim 13, wherein the automatically resizing step includes the step of expanding or reducing a size of a text portion being included in each of said icons.

17. (Previously Presented) The method of claim 13, wherein the automatically resizing step includes the step of expanding or reducing a size of a graphical portion being included in each of said icons.

18. (Currently Amended) A method of displaying a menu in a TV screen, comprising the steps of:

determining whether a menu key is input by a user to display an interactive menu for program specific information including broadcasting information on a TV screen;

determining which display mode is the current display mode if said menu key is input;

dividing said TV screen into two or more first sub-display screens or into a main-display screen and one or more second sub-display screens according to which mode is determined to be the current display mode;

setting one of said first or second sub-display screens as an interactive menu-display screen;

automatically sizing one or more interactive icons of the interactive menu to a first size other than a default size, the first size being proportionate with a size of the menu-display screen;

automatically resizing the interactive icons to a new size based on a ratio between the first size and the size of the menu-display screen, wherein to permit said icon is to be easily discriminated by a viewer due to the new size; and displaying the automatically resized icons on said menu-display screen.

19. (Previously Presented) The method of claim 18, wherein said current display mode is any one of a double-window mode, a multi-window mode, and a Picture-in-Picture (PIP) mode.

20. (Previously Presented) The method of claim 18, wherein said automatically resizing step includes the step of expanding or reducing a size of a text portion being included in each of said interactive icons.

21. (Previously Presented) A method of claim 18, wherein said automatically resizing step includes the step of expanding or reducing a size of a graphical portion being included in each of said interactive icon.

22. (New) The method of any one of claims 1, 11, 13 and 18, further comprising arranging the menu screen to permit scrolling of a menu element.

23. (New) A system for displaying a menu of a TV comprising the steps of:

means for setting a screen display mode to simultaneously display two or more screens on a TV, at least one screen displaying the menu, including;

means for automatically sizing displayed elements, including an interactive menu element, to a size proportionate with the size of said two or more screens;

means for determining whether or not a menu key is input to display interactive program specific information including broadcasting program information;

means for determining which screen display mode is the current screen display mode if it is determined that said menu key is input; and

means for displaying the interactive menu element including an icon in the menu display screen depending on the screen display mode, by automatically resizing said menu element to a size other than a default size in accordance with the size of the screen on which the menu is displayed to permit said menu element to be easily discriminated by a viewer on the display screen.